HYDRO-RAIN® AND BLU-LOCK® "TOTAL IRRIGATION PACKAGE"
Increase your profits by reducing installation time up to 50%.
**SPECIFICATIONS**

- **Blu-Lock® 1/2" (1.3 cm) Swing Pipe Fittings:**
  - Max working pressure: 80 PSI (5.5 BAR) at 72°F (23°C)
  - Burst Pressure: Exceeds 220 PSI (15.2 BAR)
  - Working Pressure: 10-80 PSI (0.69-5.5 BAR)
  - Body Material: ABS
  - Retaining Ring Material: Stainless Steel
  - Seal Material: EPDM

- **Blu-Lock® 3/4" (1.9 cm) Lateral Pipe Fittings:**
  - Max working pressure: 125 PSI (8.6 BAR) at 72°F (23°C)
  - Burst Pressure: Exceeds 350 PSI (24.1 BAR)
  - Working Pressure: 10-125 PSI (0.69-8.6 BAR)
  - Body Material: ABS
  - Retaining Ring Material: Stainless Steel
  - Seal Material: EPDM

- **Blu-Lock® 1" (2.5 cm) Lateral Pipe Fittings:**
  - Max working pressure: 150 PSI (10.3 BAR) at 72°F (23°C)
  - Burst Pressure: Exceeds 350 PSI (24.1 BAR)
  - Working Pressure: 10-150 PSI (0.69-10.3 BAR)
  - Body Material: ABS
  - Retaining Ring Material: Stainless Steel
  - Seal Material: EPDM

**Blu-Lock® 1/2" (1.3 cm) Swing Pipe (LDPE):**
- Operating Pressure: 80 PSI (5.5 BAR)
- Pressure loss at 6 GPM: 5 PSI (0.3 BAR)
- Outer Dimensions: 3/4" (1.91 cm)
- Inner Dimensions: 1/2" (1.3 cm)
- Wall Thickness: 0.08" (0.2 cm)

**Blu-Lock® 1" (2.54 cm) & 3/4" (1.90 cm) Lateral Pipe (HDPE):**
- Burst Pressure Rating: 320 PSI (22.06 BAR) at 72°F (23°C)
- Working Pressure: 100 PSI (6.9 BAR)
- Outer Dimensions: 1.25" (3.2 cm) for 1" and 1.944 (2.4 cm) for 3/4"
- Inner Dimensions: 0.75" (1.9 cm) for 1" and 0.944 (2.4 cm) for 3/4"
- Wall Thickness: 0.179" (0.45 cm) for 1" and 0.178 (0.45 cm) for 3/4"
- Wt. lbs: 0.50 lbs (0.23 kg)

**Blu-Lock® 1/2" (1.3 cm) Swing Pipe (LDPE):**
- Operating Pressure: 80 PSI (5.5 BAR)
- Pressure loss at 6 GPM: 5 PSI (0.3 BAR)
- Outer Dimensions: 3/4" (1.91 cm)
- Inner Dimensions: 1/2" (1.3 cm)
- Wall Thickness: 0.08" (0.2 cm)

* For non-constant pressure valve-out outdoor irrigation connections only.

**BLU-Lock® Cutaway**

**TYPICAL SPRINKLER INSTALLATION SPECIFICATION DETAIL**

**1" (2.54 cm) PIPE PRESSURE LOSS**

<table>
<thead>
<tr>
<th>Flow (GPM)</th>
<th>Velocity (FPS)</th>
<th>Pressure Loss (PSI)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>-</td>
<td>-</td>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
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<td>4</td>
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<td>0.46</td>
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<td>7</td>
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**3/4" (1.9 cm) PIPE PRESSURE LOSS**

<table>
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<th>Velocity (FPS)</th>
<th>Pressure Loss (PSI)</th>
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<td>15</td>
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**1/2" BLU-Lock® vs. SBE FITTINGS FLOW RATE**

**PSI VS. FLOW RATE**

<table>
<thead>
<tr>
<th>PSI</th>
<th>1&quot; GPM</th>
<th>3/4&quot; GPM</th>
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<td>11</td>
<td>8</td>
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<tr>
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<tr>
<td>70</td>
<td>16</td>
<td>11</td>
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</tbody>
</table>

*Measured in 100' lengths*
Working in a sprinkler trench is tough enough—don’t make it harder by using traditional pipe fitting methods that require hot, toxic glue, clamps, or frustrating barbed fittings. Hydro-Rain® offers a better way. Blu-Lock® push-n-go lateral sprinkler pipe fittings for HDPE and swing pipe. Every fitting installed from the valve out, you can now install faster and easier with Blu-Lock® fittings.

Simply stated, Blu-Lock® by Hydro-Rain® is the fastest, greenest, irrigation installation method in the world.

BUILT FOR SPEED ADVANTAGES

• **Patented “Push-and-Go” Design**—100% tool and chemical free approach cut installation time in half.

• **True System Integration**—Total compatibility of fittings, pipe, manifolds, valves, saddles, and heads.

• **Exclusive Trench and Trenchless Technology**—Coil and straight length pipe options provide unrivaled flexibility.

BUILT FOR GREEN ADVANTAGES

• **Blu-Lock® Pipe is Green**—Environmentally-friendly, recyclable HDPE pipe provides a superior alternative to PVC.

• **Blu-Lock® Fittings are Green**—Outside diameter (OD) technology ensure lower friction loss for better efficiency.

• **And Both are Chemical Free**—Glueless, tool-free installation protects the environment and the long-term health of your crew.

FEATURES AND BENEFITS

• **Heavy-Duty Construction**—Built tough fittings made from UV-resistant ABS, stainless steel and EPDM seals are designed and tested to ensure toughness.

• **Patented Retaining System**—Stainless steel teeth grip pipe tight for a strong, leak-proof connection.

• **Outside Diameter (OD) Technology**—Flow is unimpeded for 25 percent increase in flow versus traditional insert fittings.

• **High Quality and “Easy-Flex”**—Blu-Lock® lateral and swing pipe are made from virgin resins and meet ASTM standards.

• **Patented Quick-Release Collar**—1/2” swing fittings feature quick-release mechanism that allows tool-free removal.

• **Hydro-Rain® Warranty**—3-year limited warranty on fittings, 30-year limited warranty on pipe. Some restrictions apply.

*Minimum burst pressure varies according to pipe and fitting size. See specifications for details.
1" (2,5 CM) BLU-LOCK FITTINGS
For use with Blu-Lock® HDPE 3408/3608 ASTM D2239 SIDR 15 100# Sprinkler Pipe

1" (2,5 CM) BLU-LOCK PIPE

BLS NITRO SADDLE TEES  Universal, for use with 80# and 100# SIDR 15 3408 Polyethylene Pipe

Note: BLS-TAP Series Max Flow: 14 GPM (52.4 LPM) @ 40 PSI (2.75 Bar)
*For non-constant pressure valve-out outdoor irrigation connections only.

HYDRO-RAIN®  (ph) 888-HYDRORAIN  (fx) 801.203.1179  www.hydrorain.com  915 Overland Street, North Salt Lake, UT 84054
3/4" (1,9 CM) BLU-LOCK FITTINGS
For use with Blu-Lock® HDPE 3408/3608 ASTM D2239, SIDR 19 80# & SIDR 15 100# Sprinkler Pipe

BLU-LOCK MERCHANTISING PIECES

3/4" (1,9 CM) BLU-LOCK PIPE

BLU-LOCK ACCESSORIES

*For non-constant pressure valve-out outdoor irrigation connections only.
1/2" (1.3 CM) BLU-LOCK SWING FITTINGS & SWING PIPE

For use with 1/2" Blu-Lock® Swing Pipe (37980)

**"TURF SWING JOINTS"**

- 37604 BLJ-050-SS-6X 6" x 1/2" Street Ell Swing Assembly
- 37605 BLJ-050-SS-12 12" x 1/2" Street Ell Swing Assembly
- 37795 BLJ-410-005 1/2" BLR x MIPT Combo Swing Joint
- 3796 BLJ-410-101 1/2" BLR x 3/4" MIPT Combo Swing Joint
- 37980 BLP-050-CL-1X 1/2" x 100' Blu-Lock Swing Pipe – Coil
- 37900 BL FPA-050 1/2" BLR x 3/8" Funny Pipe™ Adapter
- 37974 BL 426-005 1/2" BLR x 1/2" MIPT Adapter
- 37975 BL 426-101 1/2" BLR x 3/4" MIPT Adapter
- 37976 BL 429-005 1/2" BLR Coupling
- 37977 BL 401-005 1/2" BLR Tee
- 37971 BL 410-005 1/2" BLR x 1/2" MIPT Ell
- 37970 BL 410-007 1/2" BLR x 3/4" MIPT Ell
- 37972 BL 407-005 1/2" BL x 1/2" FIPT Ell
- 37973 BL 407-074 1/2" BLR x 3/4" FIPT Ell
- 37979 BL 407-005 1/2" BLR x Street Ell
- 37987 BL 404-005 1/2" BLR Ell

**"BUILT FOR SPEED" INSTALLATION-READY VALVES AND SPRINKLERS**

- 37604 BSJ-12-075 Lateral Swing Joint 3/4" x 12
- 37607 BSJ-12-100 Lateral Swing Joint 1" x 12
- 05107 HRB-100-FB-1X 1" NPT Commercial Valve with 1" BL Adapter
- 02007 HRLJ-100-FB-1X 1" NPT Jar Top Valve with 1" BL Adapter
- 03015 "HRS-200-04-FB 4" Commercial Spray Head with Flush Cap and 1/2" BL Ell

**BLU-LOCK MAKES SPRINKLER INSTALLATION EASY**

1. Set swing assembly
2. Cut into the lateral line
3. Insert lateral line into assembly
4. Set sprinkler

*Spray head body compatible with Hydro-Rain® HRS series nozzles, Rainbird®, Hunter®.